Performance Data Sheet

AKA5510EXV

General Information

Model	AKA5510EXV	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h							
	Watts							
	Amps							
	Lb/h							
-10	Btu/h							
	Watts							
	Amps							
	Lb/h							
-5	Btu/h							
	Watts							
	Amps							
	Lb/h							
0	Btu/h							
	Watts							
	Amps							
	Lb/h							
5	Btu/h							
	Watts							
	Amps							
	Lb/h							
10	Btu/h							
	Watts							
	Amps							
	Lb/h							
15	Btu/h							
	Watts							
	Amps							
	Lb/h							
20	Btu/h							
	Watts							
	Amps	88700	88700	88700	88700	88700	88700	88700
	Lb/h							

25	Btu/h							
	Watts	45600	45700	45800	45800	45800	45900	45900
	Amps	35500	35500	35500	35500	35500	35500	35500
	Lb/h	59800	59800	59800	59900	59800	59800	59800
30	Btu/h	1810	3510	4160	4030	3370	2410	1430
	Watts	8770	8840	8900	8950	9000	9030	9060
	Amps	6340	6340	6340	6340	6340	6340	6340
	Lb/h	10700	10800	10800	10800	10800	10800	10800
35	Btu/h	10700	12500	13200	13100	12400	11400	10300
	Watts							
	Amps							
	Lb/h							
40	Btu/h	11700	13500	14300	14200	13500	12400	11300
	Watts							
	Amps							
	Lb/h							
45	Btu/h	9210	11100	11900	11800	11100	10000	8790
	Watts	757	862	955	1040	1110	1180	1240
	Amps	2.65	3.17	3.59	3.93	4.22	4.46	4.69
	Lb/h	92.6	126	143	149	146	137	126
50	Btu/h	7760	9730	10500	10500	9710	8580	7290
	Watts	5560	5680	5780	5870	5960	6030	6100
	Amps	3800	3800	3800	3800	3800	3800	3800
	Lb/h	6510	6540	6560	6570	6570	6560	6550
55	Btu/h	11800	13800	14700	14600	13800	12600	11300
	Watts	732	858	973	1080	1170	1260	1340
	Amps	2.61	3.15	3.61	4.00	4.35	4.68	5.00
	Lb/h	122	159	179	186	184	175	164

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	-5.400473E+05	8.469959E+05	6.687559E+05	1.125880E+06
C2	3.356767E+04	-6.069542E+04	-4.791969E+04	-8.074620E+04
C3	1.860670E+03	1.214054E+01	2.531348E-01	2.519664E+01
C4	-7.860417E+02	1.411470E+03	1.114609E+03	1.878055E+03
C5	6.780551E+00	2.339135E-01	-7.430365E-04	9.378433E-02
C6	-1.556663E+01	-8.264545E-02	-1.698170E-03	-2.061008E-01
C7	5.978867E+00	-1.069409E+01	-8.444011E+00	-1.422748E+01
C8	-6.498643E-03	1.911038E-04	-2.052649E-06	6.223053E-05
C9	-2.879276E-02	-2.050650E-04	6.952152E-06	-3.972080E-04
C10	4.166712E-02	1.388931E-04	3.314937E-06	5.455198E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature